

In the claims:

Claim 1 (currently amended) A linear rolling bearing system comprising a guide rail and a guide carriage that partially surrounds the guide rail and is supported by balls rolling elements for sliding on two long sides of the guide rail, the rolling elements balls being arranged on each of the two long sides in at least two parallel, endlessly recirculating rows of rolling elements balls while a spacer is inserted between every two successive rolling elements of a row, wherein, on each long side of the guide rail, a common spacer for both of said two rows is inserted between every two adjacent rolling elements of a first of said two rows and between every two adjacent rolling elements of a second of said two rows and with a plurality of spacers inserted in the circulating rows while a spacer is inserted between every two successive rolling elements of a row, wherein, on each long side of the guide rail, a common spacer for both of said two rows is inserted between every two adjacent balls of a first of said two rows and between every two adjacent balls of a second of said two rows, wherein each spacer has four concave shaped walls adapted to the balls, wherein each concave shaped wall is provided for one ball, and wherein each concave shaped wall encompasses a part of the ball-surface, which part is less than the half of the peripheral surface of the ball.

Claim 2 (currently amended) A linear rolling bearing comprising a guide rail and a guide carriage that partially surrounds the guide rail and is supported by rolling elements balls for sliding on two long sides of the guide rail, the rolling elements balls being arranged on each of the two long sides in at least two parallel, endlessly

recirculating rows of balls rolling elements while being guided by spacers that are
situated in said two rows between the rolling elements, wherein, on each long side of the
guide rail, every two adjacent rolling elements of a first of said two rows and every two
adjacent rolling elements of a second of said two rows are guided in a common spacer for
both of said two rows being guided by a plurality of spacers that are situated in said two
rows between the balls, wherein, on each long side of the guide rail, every two adjacent
balls of a first of said two rows and every two adjacent rolling elements of a second of
said two rows are guided in a common spacer for both of said two rows, wherein each
spacer has four concave shaped walls adapted to the balls, wherein each concave shaped
wall is provided for one ball, and wherein each concave shaped wall encompasses a part
of the ball surface, which part is more than the half of the peripheral surface of the ball,
and wherein a retaining bar is arranged to retain the spacers in the guide carriage is
removed from the guide rail, wherein the retaining bar is arranged between the two rows
of balls.

Claim 3 (previously presented) A linear rolling bearing of claim 1, wherein, in a region situated between the two parallel rows of rolling elements, each spacer comprises a V-shaped notch into which a retaining bar fixed on the guide carriage adjacent to each long side of the guide rail engages.

Claim 4 (previously presented) A linear rolling bearing of claim 2, wherein, in a region situated between the two parallel rows of rolling elements, each spacer

comprises a V-shaped notch into which a retaining bar fixed on the guide carriage adjacent to each long side of the guide rail engages.

Claim 5 (previously presented) A linear rolling bearing of claim 2, wherein, the rolling elements guided by a spacer are enclosed over a large portion of a circular periphery by a material of the spacer.

Claim 6 (previously presented) A linear rolling bearing of claim 2, wherein, a plurality of spacers are manufactured as plastic parts in form of a single composite structure by injection molding, a common, thin connecting web that can be easily torn off being formed on every two successive spacers.

Claim 7 (previously presented) A linear rolling bearing of claim 2, wherein, in a region of rolling element osculation, at least one spacer comprises pockets that can be used as lubricant reservoirs.

Claim 8 (previously presented) A linear rolling bearing of claim 1, wherein the spacers are made of a porous material that stores and continuously releases lubricant.

Claim 9 (previously presented) A linear rolling bearing of claim 2, wherein the spacers are made of a porous material and continuously releases lubricant.

Please add the following claims:

Claim 10 (new) A linear rolling bearing system comprising a guide rail and a guide carriage that partially surrounds the guide rail and is supported by balls for sliding on two long sides of the guide rail, the balls being arranged on each of the two long sides in at least two parallel, endlessly recirculating rows of balls and with a plurality of spacers inserted in the circulating rows while a spacer is inserted between every two successive balls of a row, wherein, on each long side of a guide rail, a common spacer for both of said two rows is inserted between every two adjacent balls of a first of said two rows and between every two adjacent balls of a second of said two rows wherein each spacer has four concave shaped walls adapted to the balls, wherein each concave shaped wall is provided for one ball, and wherein each concave shaped wall encompasses a part of the ball-surface, which part is less than the half of the peripheral surface of the ball.

Claim 11 (new) A linear rolling bearing system comprising a guide rail and a guide carriage that partially surrounds the guide rail and is supported by balls for sliding on two long sides of the guide rail, the balls being arranged on each of the two long sides in at least two parallel, endlessly recirculating rows of balls while being guided by a plurality of spacers that are situated in said two rows between the balls, wherein, on each long side of the guide rail, every two adjacent rolling elements of a first of said two rows and every two adjacent balls of a second of said two rows are guided in a common spacer for both of said two rows, wherein each spacer has four concave shaped walls adapted to the balls, wherein each concave shaped wall is provided for one ball, and wherein each concave shaped wall encompasses a part of the ball-surface, which part is

more than the half of the peripheral surface of the ball and wherein a retaining bar is arranged to retain the spacers in the guide carriage, when the guide carriage is removed from the guide rail, wherein the retaining bar is arranged between the two rows of balls.